



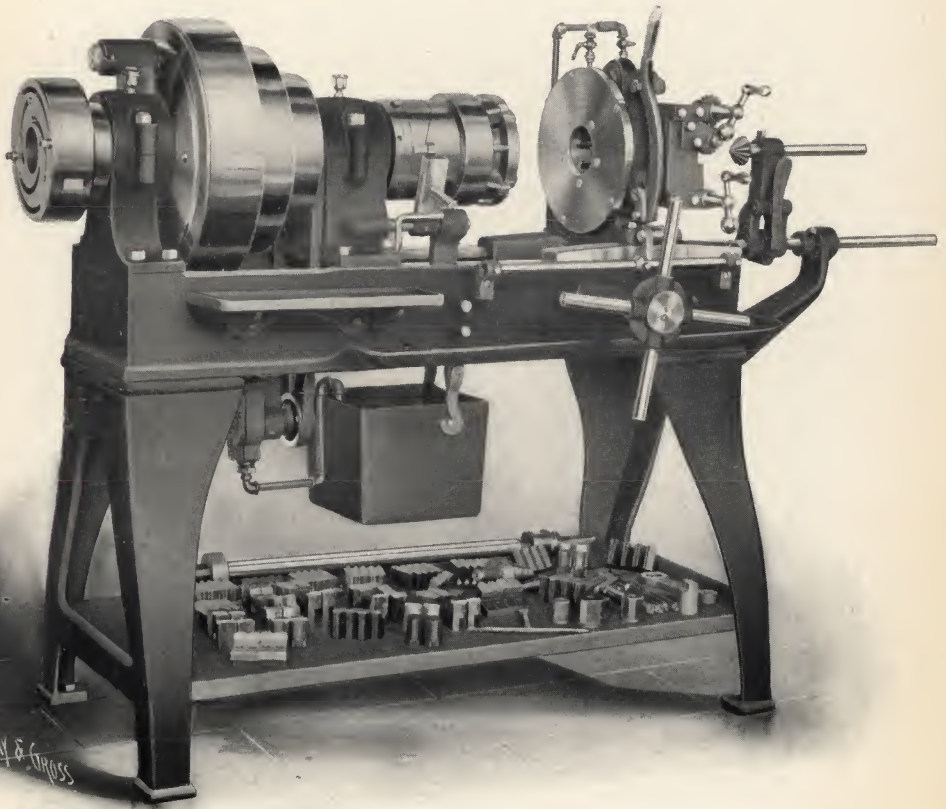


THE MERRELL MANUFACTURING CO., Toledo, Ohio, U. S. A.

Manufacturers of

Pipe Threading and Cutting-Off Machines.

BULLETIN No. 14.



OPERATING SIDE.

Nipple and Pipe Mill Machines.

Apex No. 1.

## APEX MACHINE No. 1.

**T**HIS MACHINE is especially designed for heavy and constant service in pipe mills and shops where a large quantity of pipe of one size is handled. The machine is unequalled in strength, speed and convenience in operating. THE HEAD has our standard adjustable quick opening and closing dies, actuated by a cam movement, controlled by a segment of a gear, and is arranged so that it can be fed up to the vise for handling short pieces of pipe. THE VISE is our celebrated serpentine; it is opened and closed while the machine is in motion by simply moving the dog forward or backward. THE VISE JAWS are held in T slots at the end of the jaw holders; they are made of tempered steel with teeth of M form and can be sharpened without drawing the temper. THE ADJUSTING RING at the back of the vise provides ample adjustment for the variation in size of pipe. THE BEARINGS are very large and heavy, and babbitted with the best anti-friction metal. THE GEARS are all machine cut and enclosed within a cone on the machine, thus being protected from chips and dust and out of the way of the operator. THE CONE is a three-step, giving SIX SPEEDS to the machine. THE PIPE GUIDES for steadying pipe in cutting off are on back of the head and are operated by means of a R. & L. screw. THE CUTTING OFF TOOLS are two in number cutting from two sides of the pipe at the same time. THE NIPPLE ATTACHMENT used in connection with this machine is so arranged that the grippers can be closed on the threaded end without injury to the thread, thus avoiding the necessity of screwing the nipple into the grips after they are closed. THE REAMER is conveniently located so as to ream while cutting off and can be thrown to one side to permit of long pieces of pipe being cut off. THE THREADING GAUGE is a feature that no other machine has, it works automatically and releases the chasers when the desired length of thread has been cut. THE CHASERS are five in number and can be sharpened by grinding, and readily replaced by chasers cutting any style or pitch of thread. THE CAPACITY of this machine is from  $\frac{1}{4}$  to 2 inches inclusive. One set of right hand dies for each size of pipe is furnished with the machine. THE OIL PUMP is automatic and is arranged to flood both the chasers and cutting-off tools.

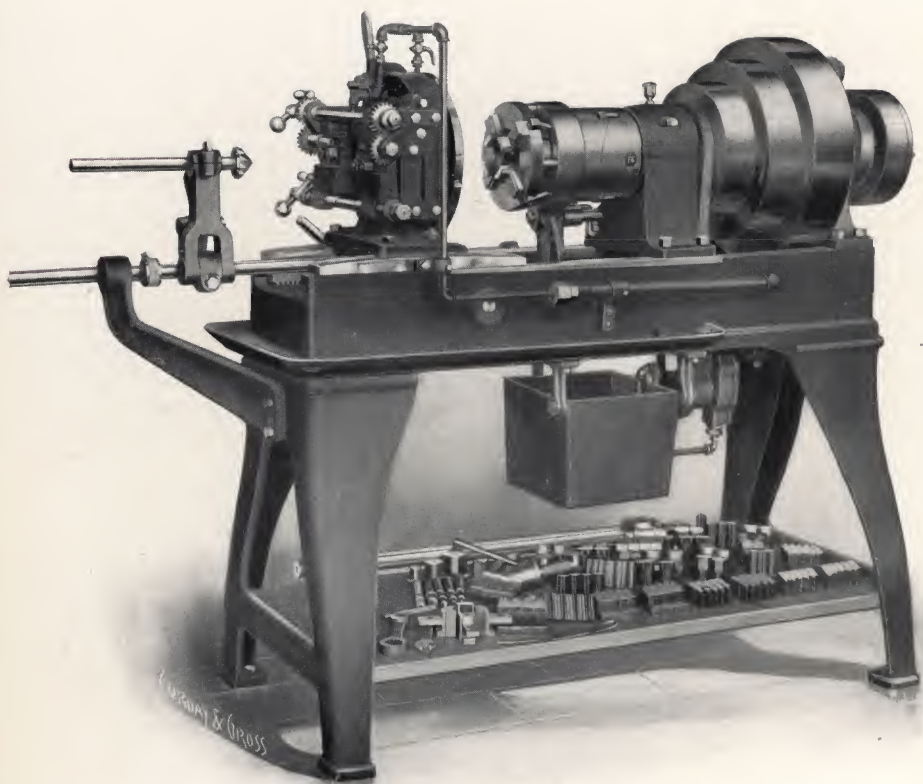
## PRICE LIST AND DIMENSIONS.

Apex No. 1 Machine with counter, eight set of chasers, for $\frac{1}{4}$ -inch to 2-inch pipe, inclusive, R. H. and automatic thread gauge. No nipple attachment.....	\$ 350 00
For Nipple Attachment add to list.....	100 00
Chasers, either R. or L., 5 per set.....	8 00
Extra Threaded Grippers, 4 per set.....	18 00
Extra Pipe Grippers, 4 per set.....	10 00

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Tight and Loose Pulleys of counter.....	12x3 inches
Machine Pulley.....	3-step cone for $2\frac{1}{2}$ -inch belt
Speed of Counter.....	275
Weight.....	2000 pounds
Export shipping weight.....	2800 pounds
Cubic measurement.....	45 feet





REAR VIEW.

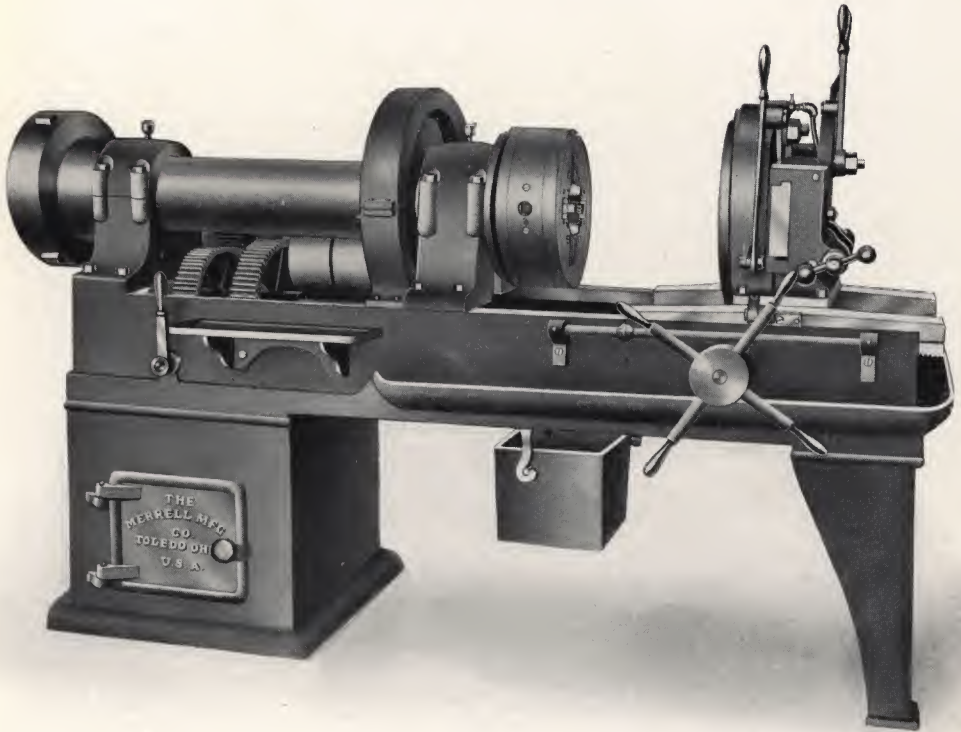
THE MERRELL MANUFACTURING CO., Toledo, Ohio, U. S. A.

Manufacturers of

Pipe Threading and Cutting-Off Machines.

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BULLETIN No. 15.



OPERATING SIDE.

Nipple and Pipe Mill Machines.

Apex Nos. 2 and 3.

## APEX MACHINES Nos. 2 and 3.

**T**HESE MACHINES are especially designed for heavy and constant service in pipe mills and shops where a large quantity of pipe of one size is handled. They are very heavy, strong and durable and are unequalled in speed and convenience of handling. THE HEAD has our standard adjustable quick opening and closing dies, actuated by a cam movement, controlled by a segment of a gear, and is so arranged that it can be fed up to the vise for handling short pieces of pipe. THE VISE is our universal geared vise. THE VISE JAWS are held in T slots at the end of the jaw holders. They are made of tempered steel with teeth of M form and can be sharpened without drawing the temper. THE BEARINGS are very large and heavy and babbitted with the best anti-friction metal. THE GEARS are all machine cut and incased beneath the guards, thus protecting them from chips and dust. THE SPEEDS are six in number and are obtained by a three-step cone pulley and compound gearing. The speed can be changed while the machine is in motion by simply throwing the lever which engages the clutch. THE CUTTING-OFF TOOLS are two in number cutting from two sides of the pipe at the same time. THE PIPE GUIDES for steadying pipe in cutting off are on the back of the head and operated by means of a R. & L. screw. THE NIPPLE ATTACHMENT used in connection with this machine is so arranged that the grippers can be closed on the threaded end without injury to the thread, thus avoiding the necessity of screwing the nipple into the grips after they are closed. THE THREADING GAUGE is a feature that no other machine has; it works automatically and releases the chasers when the desired length of thread has been cut. THE REAR CHUCK is operated by a cam. THE OIL PUMP is automatic and so arranged as to flood both the chasers and cutting-off tools. THE CHASERS can be sharpened by grinding and readily replaced with chasers of any style or pitch of thread. One set of right hand dies for each size of pipe is furnished with the machine.



## PRICE LIST AND DIMENSIONS.

Apex No. 2 Machine, with counter, eight sets of chasers, for 1-inch to 4-inch pipe, inclusive, R. H. and automatic thread gauge.	
No nipple attachment.....	\$ 550 00
For Nipple Attachment add to list.....	150 00
Chasers, Pipe, either R. or L., 5 per set.....	10 00
Casing Chasers.....	10 00
Extra Threaded Grippers, 4 per set.....	18 00
Extra Pipe Grippers, 4 per set.....	10 00

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Tight and Loose Pulleys of counter.....	14x5 inches
Machine Pulley,.....	3-step cone for 4-inch belt
Speed of Counter.....	200
Weight.....	3200 pounds
Export shipping weight.....	4400 pounds
Cubic measurement.....	105 feet

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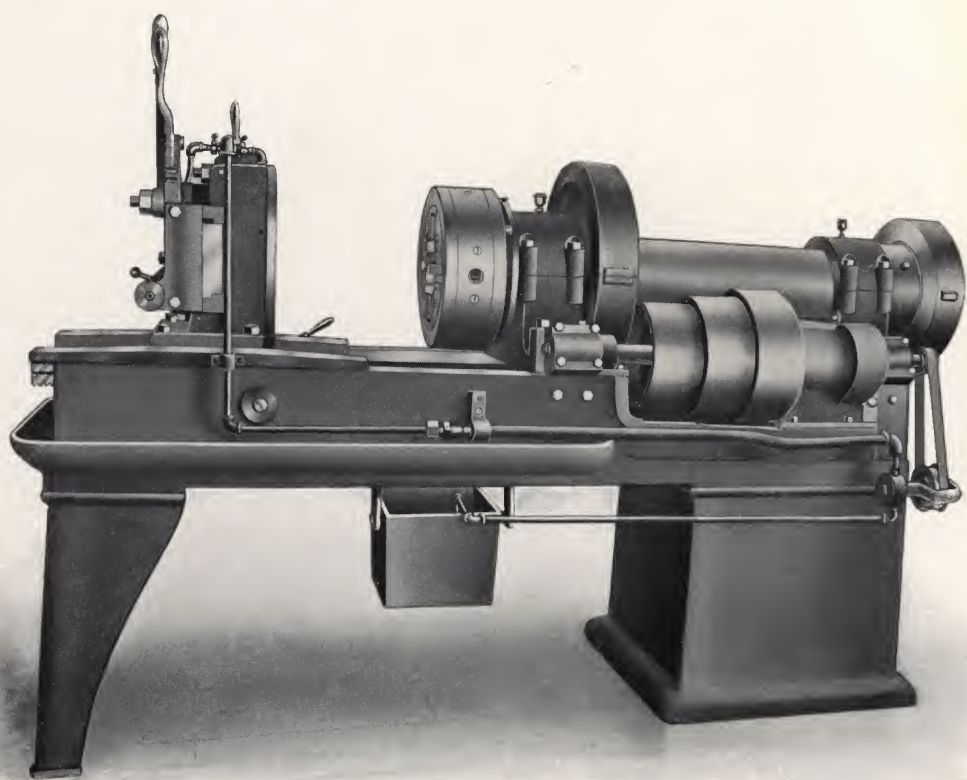
Apex No. 3 Machine, with counter, for 1 to 6-inch pipe, inclusive, R. H., with automatic thread gauge. No nipple attachment...	\$ 900 00
For Nipple Attachment, add to list.....	250 00
Extra Pipe Chasers, per set.....	16 00
Extra Casing Chasers.....	16 00
Extra Pipe Grippers, per set.....	14 00
Extra Threaded Grippers, per set.....	25 00

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Tight and Loose Pulleys for counter shaft,.....	14x5 inches
Machine Pulley,.....	4-step for 4-inch belt
Speed of Counter.....	200
Weight.....	4700 pounds
Export shipping weight.....	5600 pounds

In ordering chasers give LETTER as well as size wanted.

Lubricate the chasers with lard oil.



REAR VIEW.

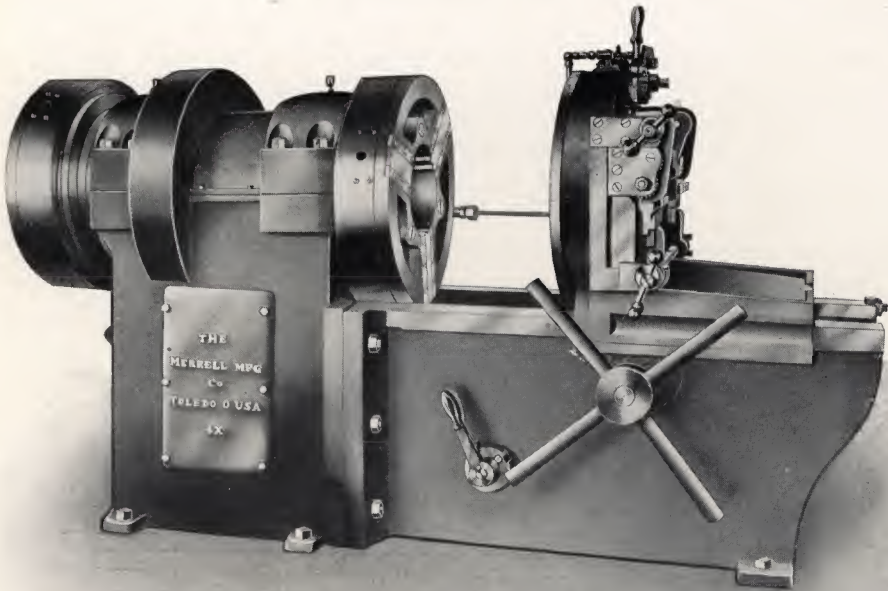
THE MERRELL MANUFACTURING CO., Toledo, Ohio, U. S. A.

Manufacturers of

Pipe Threading and Cutting-Off Machines.

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BULLETIN No. 16.



OPERATING SIDE.

Pipe Mill Machines.

Apex Nos. 4, 5 and 6.

## APEX MACHINES Nos. 4, 5 and 6.

**T**HESE MACHINES are especially designed for heavy service in pipe mills, mines and shops where a large quantity of pipe of one size is handled. They are unequalled in design, strength, durability, speed and convenience in operating. THE HEAD has our standard adjustable quick opening and closing dies, actuated by a cam movement, controlled by a segment of a gear, and is arranged so that it can be fed up to the vise for handling short pieces of pipe. THE VISE is our universal geared vise. THE VISE JAWS are dove-tailed into the end of the jaw holders; they are made of tempered steel and can be removed and sharpened without drawing the temper. THE BEARINGS are all very large and heavy and babbitted with the best anti-friction metal. THE SPEEDS are nine in number and obtained by means of a three-step cone and compound gearing and can be changed while the machine is in motion by a movement of a lever. THE GEARS are all machine cut and enclosed within the body of the machine, thus being protected from chips and dirt and out of the way of the operator. THE PIPE GUIDES for steadying pipe in cutting off are on the back of the head, and are operated by means of a right and left screw. THE CUTTING-OFF TOOLS are two in number cutting from two sides of the pipe at the same time. THE REAR CHUCK is our universal geared one and is fitted with special flange grippers. THE CHASERS can be sharpened by grinding and readily replaced by chasers of any style or pitch of thread. One set of right hand chasers for each size of pipe is furnished with the machine. THE OIL PUMP is automatic and arranged to flood both the chasers and cut-off tools.



## PRICE LIST AND DIMENSIONS.

Apex No 4 Machine, with chasers 2½ to 8-inch, inclusive, R. H....	\$ 1200 00
Extra Pipe Chasers, 2½ to 4-inch, 4 per set.....	16 00
Extra Casing Chasers, 2½ to 4-inch, 4 per set.....	16 00
Extra Pipe Chasers, 4 to 8-inch, 8 per set.....	25 00
Extra Casing Chasers, 4 to 8-inch, 8 per set.....	25 00

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Tight and Loose Pulleys for Counter Shaft.....	14x6 inches
Machine Pulley.....	3-step cone for 5-inch belt
Weight.....	7800 pounds
Export shipping weight.....	9000 pounds
Speed of Counter Shaft.....	300

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Apex No. 5 Machine, with chasers, 2½ to 10-inch, inclusive, R. H....	\$ 1600 00
Extra Pipe Chasers, 2½ to 4-inch, 4 per set.....	18 00
Extra Casing Chasers, 2½ to 4-inch, 4 per set.....	18 00
Extra Pipe Chasers, 4 to 10-inch, 8 per set.....	30 00
Extra Casing Chasers, 4 to 10-inch, 8 per set.....	30 00

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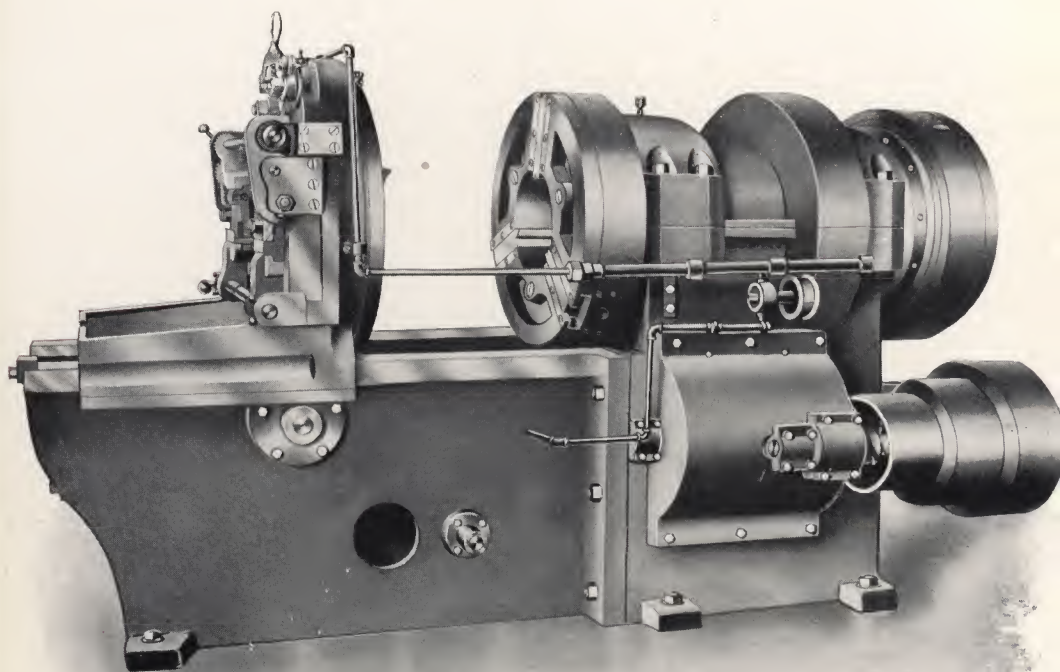
Tight and Loose Pulleys for Counter Shaft.....	14x6 inches
Machine Pulley.....	3-step cone for 5-inch belt
Weight.....	8300 pounds
Export shipping weight.....	9500 pounds
Speed of Counter.....	300

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Apex No. 6 Machine, with chasers, 4 to 12-inch, inclusive, R. H....	\$ 2000 00
Extra Pipe Chasers, 8 per set.....	30 00
Extra Casing Chasers, 8 per set.....	30 00

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Tight and Loose Pulleys for Counter Shaft.....	14x6 inches
Machine Pulley.....	3-step cone for 6-inch belt
Weight.....	10500 pounds
Export shipping weight.....	11000 pounds
Speed of Counter.....	300



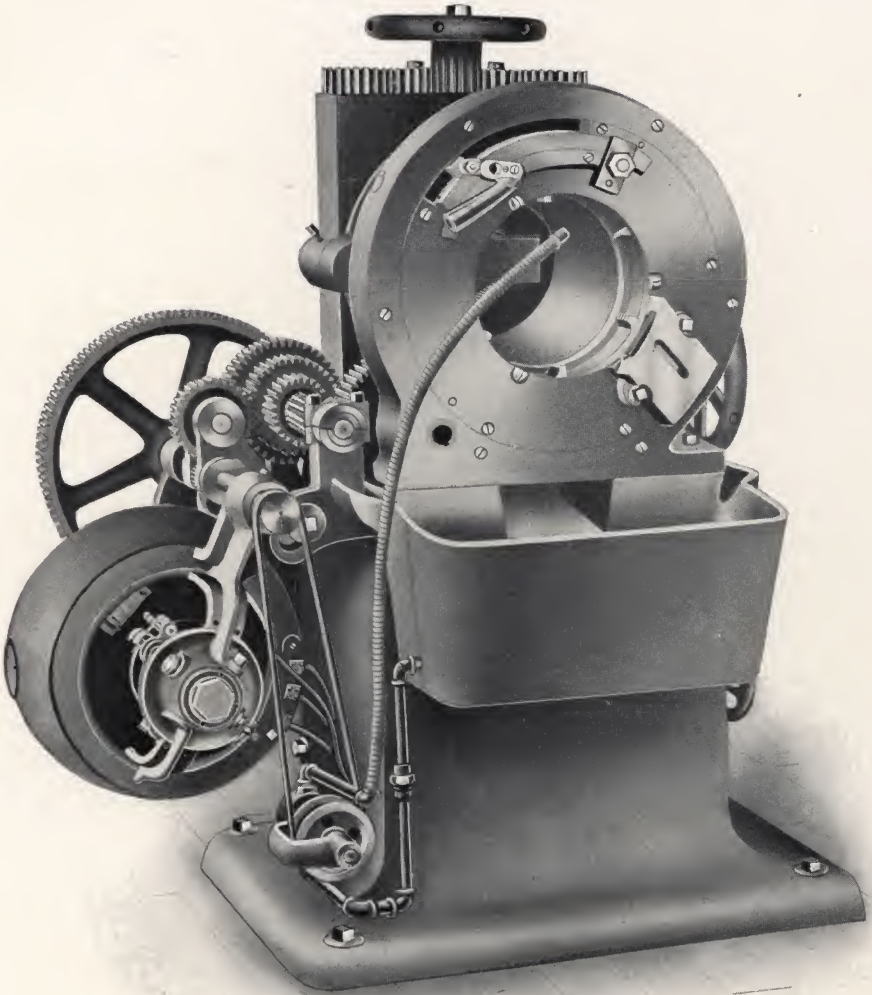
REAR VIEW.

THE MERRELL MANUFACTURING CO., Toledo, Ohio, U. S. A.

Manufacturers of

Pipe Threading and Cutting-Off Machines.

BULLETIN No. 17.



MOTOR DRIVE.

Motor and Engine Driven Machines.



## MOTOR DRIVE.

THESE MACHINES are the regular combination hand and power machines having motor direct attached. We can furnish these with motors for any direct current. THE MOTOR used with these machines is constant, the variation in speed of the machine being obtained by means of an idler pinion and nested gears. While cuts show the machines without hood in order to show the method of attaching, there is a hood provided which covers the gearing completely, and affords protection to the gears from chips and dust. THE RHEOSTAT is inside of the base and the starting lever in a convenient location on the side of the machine. THE MOTOR is connected up with a double switch so that the machine can be run either right or left. The machine as shipped out is ready to attach to feed wires, and prices given below include motor, oil pump, etc. In addition to the motor, power may be applied by either crank or ratchet to the shaft of the pinion which engages the gear wheel enclosing the dies. THE GEAR enclosing the dies is completely housed from dust and chips. These machines have our standard adjustable quick opening and closing die heads and our improved cutting-off knife. THE CHASERS are five in number for the No. 5½ and No. 6½ machines, and six in number for the No. 9½ machine, and eight in number for the No. 11½ machine, that are set by graduation to any size desired, are released from threading while in motion and opened to permit of pipe being cut off and closed instantly and positively. They can be sharpened by grinding and are readily replaced by chasers cutting any style or pitch of thread, either right or left. THE VISE is self-centering and is actuated by a rack and pinion to feed the pipe into the chasers. These machines will do far more rapid work both in threading and cutting off than any other combined machine on the market. They have a greater range of work and quicker changes from size to size of pipe. THE HEAD of these machines can be readily removed from the base and used as portable hand machines.

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## PRICE LIST.

No. 5½ with motor direct attachment, from 1 to 4-inch, inclusive, with oil pump.....	\$ 375 00
No. 6½ with motor direct attachment, from 1 to 6-inch, inclusive, with oil pump.....	550 00
No. 9½ with motor direct attachment, from 2½ to 8-inch, inclusive, with oil pump and rear rest.....	750 00
No. 11½ with motor direct attachment, from 4 to 12-inch, inclusive, with oil pump and rear rest.....	1500 00



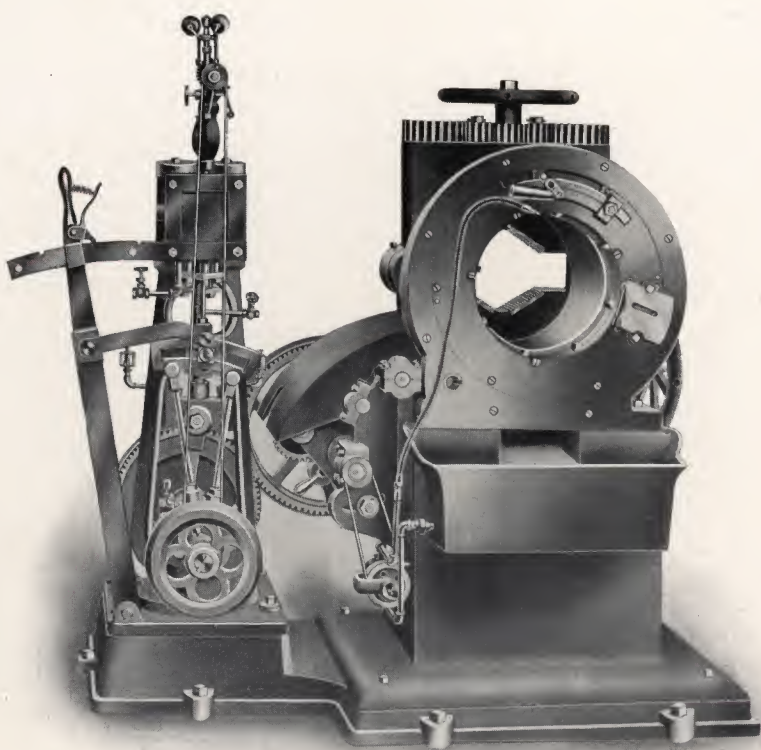
## ENGINE DRIVEN.

**T**HESE MACHINES are our combination machines direct connected with engine. In connecting with engine we mount our combination machines on a sub-base and drive by nested gears same as with motor connection. THE ENGINE used is of the upright marine type and is reversible so that either right or left hand threads can be cut on the machine. We make these machines in two sizes, No. 9½ and No. 11½.

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### PRICE LIST.

No. 9½ with engine direct attachment.....	\$ 700 00
No. 11½ with engine direct attachment.....	1350 00



ENGINE DRIVE.

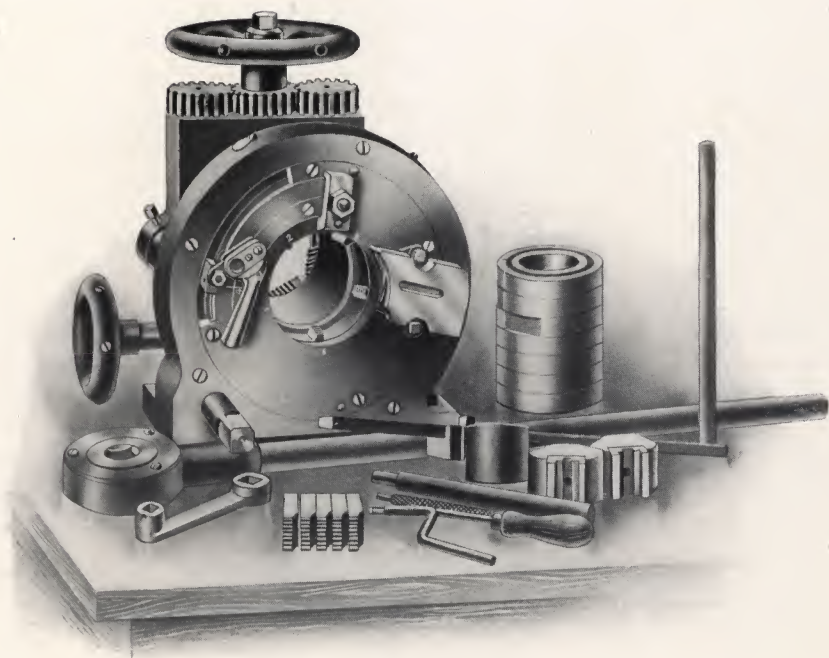
THE MERRELL MANUFACTURING CO., Toledo, Ohio, U. S. A.

Manufacturers of

Pipe Threading and Cutting-Off Machines.

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BULLETIN No. 18.



Portable Hand Machines.

Nos. 5, 6, 9 and 11.

## PORTABLE MACHINES Nos. 5, 6, 9 and 11.

**P**OWER is applied by either crank or ratchet lever to the shaft of the pinion, which engages the geared wheel enclosing the dies. THE GEARS are completely housed from dust, and chips are not accessible to any part of the machine to its detriment. These machines have our standard adjustable quick opening and closing die head and our improved cutting-off knife. THE CHASERS are five in number for our Nos. 5 and 6 machines, and six in number for our No. 9 machine, and eight in number for our No. 11 machine. They are set by graduation to any size desired, are released from threading while in motion, opened to permit the pipe to be cut off, and closed instantly and positively, one set being used to thread several sizes of pipe. They can be sharpened by grinding, and are readily replaced by chasers, cutting any style or pitch of thread, either right or left. THE VISE is self-centering, is actuated by rack and pinion to feed the pipe into the chasers. These machines do better and more rapid work, both in threading and cutting off, than any other hand machine on the market. They have a greater range of work and quicker changes from size to size of pipe.



## PRICE LIST AND DIMENSIONS.

No. 5 Machine, with two sets of chasers, for 1-inch to 4-inch pipe, inclusive, R. H.....	\$ 100 00
Extra Pipe Chasers, R. or L., 5 per set.....	5 00
Extra Casing Chasers, 5 per set.....	6 00

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Weight,.....	275 pounds
Export shipping weight,.....	440 pounds
Cubic measurement,.....	6 feet

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No. 6 machine, with three sets of chasers, for 1-inch to 6-inch pipe, inclusive, R. H.....	\$ 190 00
Extra Pipe Chasers, R. or L., 5 per set.....	5 00
Extra Casing Chasers, 5 per set.....	6 00

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Weight,.....	390 pounds
Export shipping weight,.....	575 pounds
Cubic measurement.....	10 feet

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No. 9 Machine, with three sets of chasers, for 2½-inch to 8-inch pipe, inclusive, R. H.....	\$ 350 00
Extra Pipe Chasers, R. or L., 6 per set.....	8 00
Extra Casing Chasers, 6 per set.....	10 00

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Weight,.....	740 pounds
Export shipping weight,.....	965 pounds
Cubic measurement.....	12 feet

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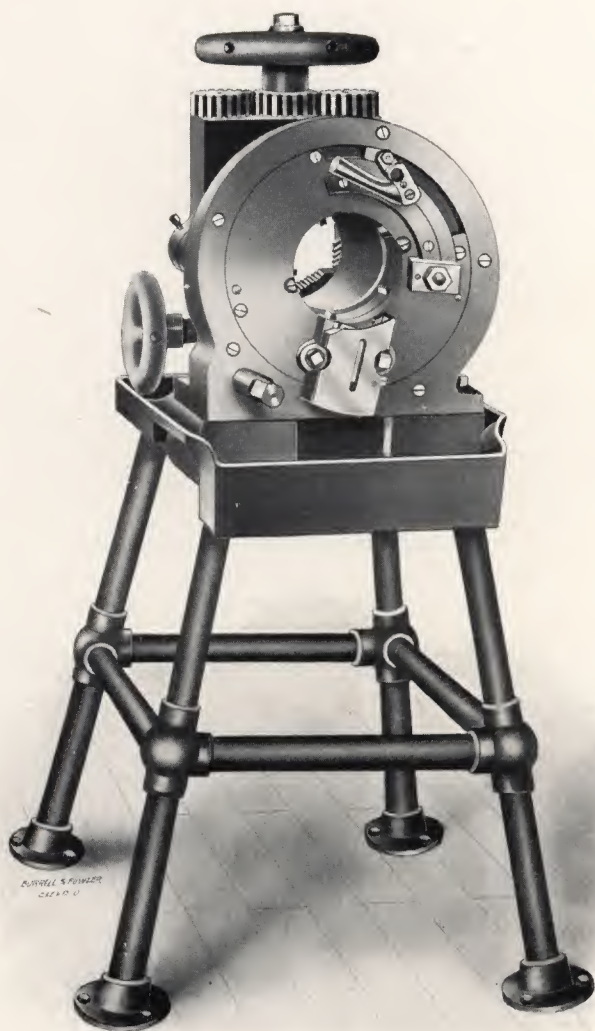
No. 11 Machine, with three sets of chasers, for 4-inch to 12-inch pipe, inclusive, R. H.....	\$ 900 00
Extra pipe Chasers, R. or L., 8 per set.....	18 00
Extra Casing Chasers, 8 per set.....	20 00

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Weight,.....	1500 pounds
Export shipping weight,.....	1700 pounds
Cubic measurement,.....	14 feet

In ordering Chasers give LETTERS as well as size wanted.  
Lubricate the Chasers with lard oil.

Pipe Stand for No. 5.....	\$ 25 00
Pipe Stand for No. 6.....	35 00



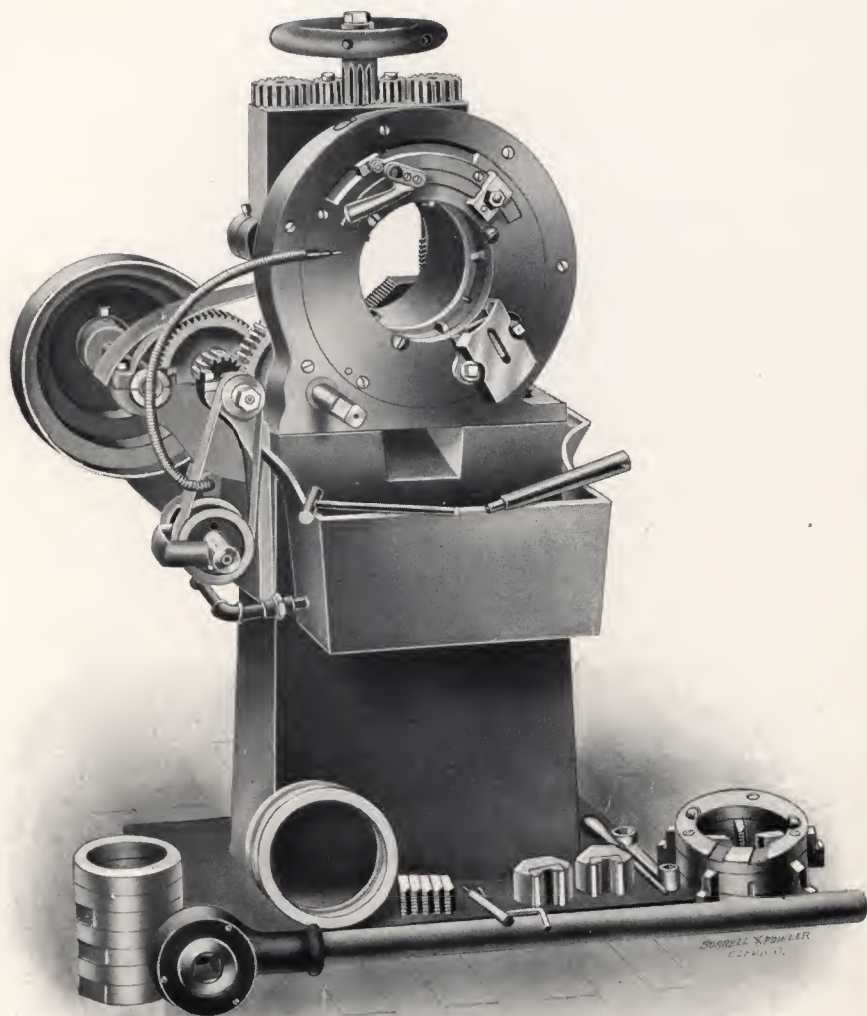
SHOWING HAND MACHINE MOUNTED ON PIPE STAND.

THE MERRELL MANUFACTURING CO., Toledo, Ohio, U. S. A.

Manufacturers of

Pipe Threading and Cutting-Off Machines.

BULLETIN No. 19.



OPERATING SIDE.

Combined Hand and Power Machines.

Nos. 5½ and 6½.

## HAND AND POWER MACHINES Nos. 5½ and 6½.

**T**HESE MACHINES are our portable hand machines, mounted on base and driven by compound gears with cone pulley, and are so arranged that either hand or power can be used at will, or the machine can be readily taken from base and used as a portable hand machine. These machines have our standard adjustable quick opening and closing die heads and our improved cutting-off knife. THE CHASERS are five in number and are set by graduation to any size desired, are released from threading while the machine is in motion, opened to permit of pipe being cut off and closed instantly and positively, one set being used to thread several sizes of pipe. The chasers can be sharpened by grinding and are readily replaced by chasers cutting any style or pitch of thread, either right or left. THE VISE is self-centering and is actuated by a rack and pinion to feed the pipe to the chasers. These machines are better and more rapid both in threading and cutting off than any other combination machine on the market. They have a greater range of work and quicker changes from size to size of pipe.



## PRICE LIST AND DIMENSIONS.

No. 5½ Machine, with counter, two sets of chasers, for 1-inch to 4-inch pipe, inclusive, R. H.....	\$ 200 00
Extra Pipe Chasers, R. or L., 5 per set.....	5 00
Extra Casing Chasers, 5 per set.....	6 00
Countershaft for cutting left-hand threads.....	10 00
For Oil Pump with Machine add to list.....	20 00

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Tight and Loose Pulleys of Counter,.....	12x3 inches
Machine Pulley,.....	3-step cone for 1½-inch belt
Speed of Counter,.....	300
Weight,.....	725 pounds
Export shipping weight,.....	1175 pounds
Cubic measurement.....	29 feet

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No. 6½ Machine, with counter, three sets of chasers, for 1-inch to 6-inch pipe, inclusive, R. H.....	\$ 300 00
Extra Pipe Chasers, R. or L., 5 per set.....	5 00
Extra Casing Chasers, 5 per set.....	6 00
Countershaft for cutting left-hand threads.....	10 00
For Oil Pump with Machine add to list.....	20 00

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Tight and Loose Pulleys of Counter,.....	12x3 inches
Machine Pulley,.....	4-step cone for 2½-inch belt
Speed of Counter.....	300
Weight,.....	1310 pounds
Export shipping weight,.....	1840 pounds
Cubic measurement.....	42 feet

In ordering Chasers give LETTER as well as size wanted.  
Lubricate the Chasers with lard oil.

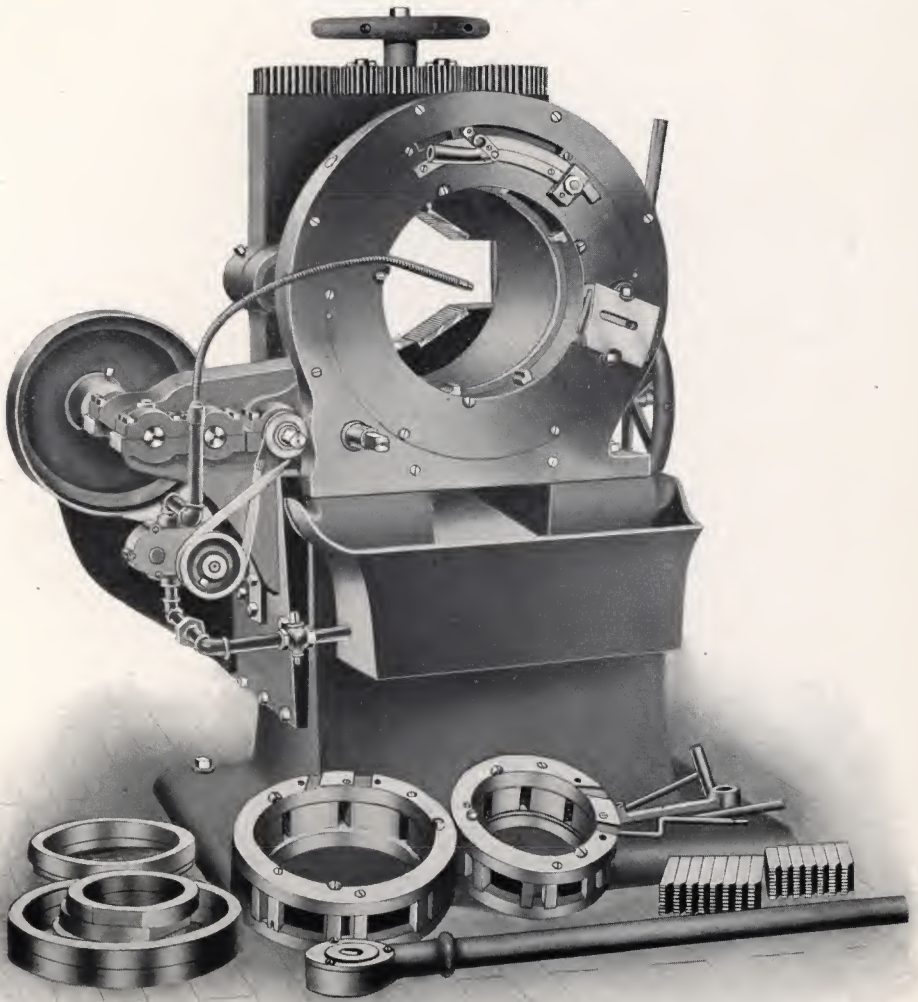


THE MERRELL MANUFACTURING CO., Toledo, Ohio., U. S. A.

Manufacturers of

Pipe Threading and Cutting-Off Machines.

BULLETIN No. 20.



OPERATING SIDE.

Combined Hand and Power Machines.

Nos. 9½ and 11½.

## HAND AND POWER MACHINES Nos. 9½ and 11½.

**T**HESE MACHINES are our portable hand machines, mounted on base and driven by compound gears with cone pulley, and are so arranged that either hand or power can be used at will, or the machine can readily be taken from its base and used as a portable hand machine. THE CHASERS are six in number for our No. 9½ machine and eight in number for our No. 11½ machine. The chasers are set by graduation to any size desired, are released while the machine is in motion, opened to permit of pipe being cut off and closed instantly and positively, one set being used to thread several sizes of pipe. The chasers can be sharpened by grinding and are readily replaced by chasers cutting any style or pitch of thread, either right or left. THE VISE is self-centering and is actuated by a rack and pinion to feed the pipe to the chasers. These machines are the only ones on the market that will cut and thread eight and twelve inch pipe when used as a hand machine, with ease and to the satisfaction of the operator.



## PRICE LIST AND DIMENSIONS.

No. 9½ Machine with counter, three sets of chasers, for 2½-inch to 8-inch pipe, inclusive, R. H., with Oil Pump and Rear Rest...	\$ 550 00
Extra Pipe Chasers, R. or L., 6 per set.....	8 00
Extra Casing Chasers .....	10 00
Countershaft for cutting left-hand threads.....	10 00

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Tight and Loose Pulleys of Counter,.....	12x3 inches
Machine Cone,.....	4-step for 2½-inch belt
Speed of Counter,.....	300
Weight,.....	1540 pounds
Export shipping weight,.....	2100 pounds
Cubic measurement, .....	50 feet

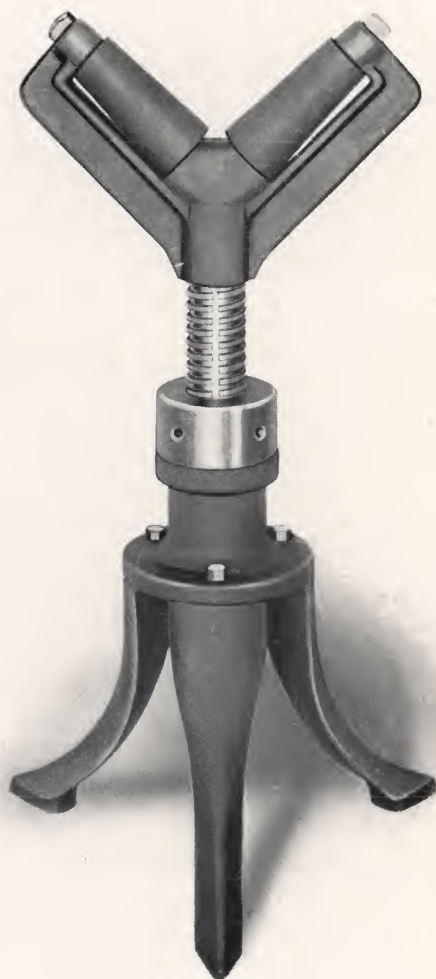
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No. 11½ Machine, with counter, three sets of chasers, for 4-inch to 12-inch pipe, inclusive, R. H., with Oil Pump and Rear Rest..	\$1200 00
Extra Pipe Chasers, R. or L., 8 per set.....	18 00
Extra Casing Chasers, 8 per set.....	20 00
Countershaft for cutting left-hand threads.....	15 00

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Tight and Loose Pulleys of Counter,.....	14x5 inches
Machine Cone,.....	4-step for 4-inch belt
Speed of Counter,.....	300
Weight,.....	3300 pounds
Export shipping weight,.....	4200 pounds
Cubic measurement.....	125 feet

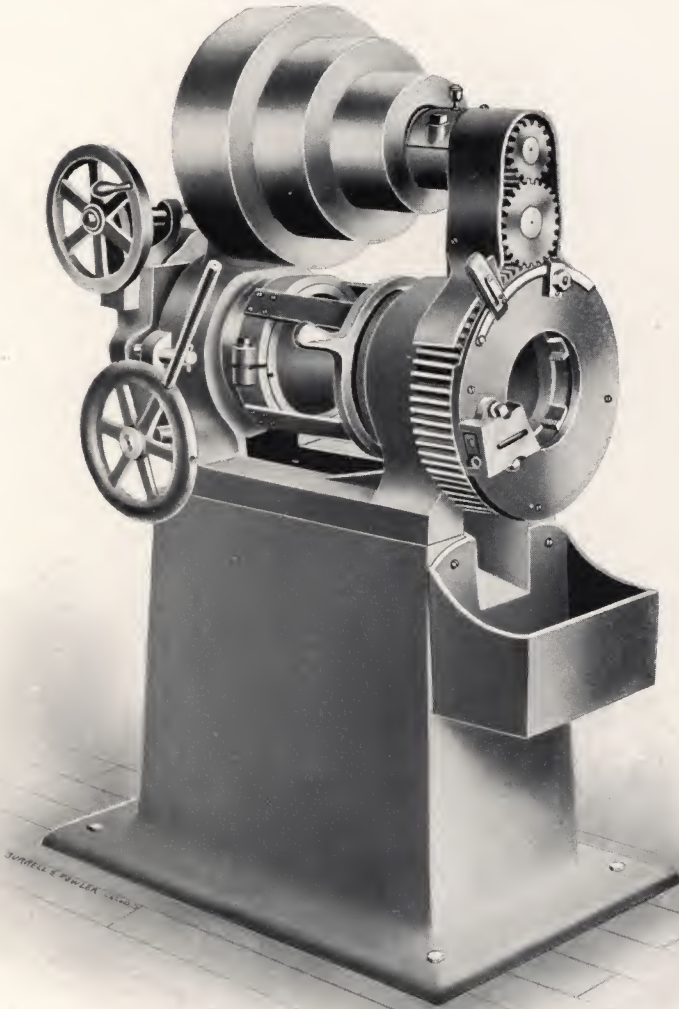
In ordering Chasers give LETTER as well as size wanted.  
Lubricate the Chasers with lard oil.



REAR REST.

THE MERRELL MANUFACTURING CO., Toledo, Ohio., U. S. A.  
Manufacturers of  
Pipe Threading and Cutting-Off Machines.

BULLETIN No. 21.



OPERATING SIDE.

Power Pipe Threading Machines.  
Nos. 8 and 12.

## POWER PIPE THREADING MACHINES

### Nos. 8 and 12.

**N**OS. 8 and 12 Power Pipe Threading and Cutting Machines are designed for heavy, persistent service. They have our standard quick opening and closing die head, with convenient cam movement and improved cutting-off knife. **THE CONE** is central over the machine, thus equalizing the weight, and placing the belt in the most convenient position. Within the cones are compound gears which give six changes of speed, giving a maximum of 100 feet of 4-inch belt travel to one revolution of the chasers. These gears require no extra space, and are protected from dust or accident. **THE VISE** is self-centering and feeds the pipe into the chasers by a friction universal lead screw connecting the vise frame to the die head, by a cam closing the lead nut onto the screw; a reverse movement of the cam releases the lead nut, or the pipe can be fed into the chasers by a hand wheel. **THE CHASERS** are opened while threading, the threaded pipe removed, another inserted, cut off and threaded without stopping the machine. These machines are designed especially for jobbers, machine shops and specialists, for which purpose we challenge competition for perfection, range and rapidity of work.



## PRICE LIST AND DIMENSIONS.

No. 8 Machine, with counter, 3 sets of chasers, for 1-inch to 6-inch pipe, inclusive, R. H. with oil pump and rear rest.....	\$ 500 00
Extra Pipe Chasers, R. or L., 5 per set.....	5 00
Extra Casing Chasers, 5 per set.....	6 00
Countershaft for cutting left-hand threads.....	10 00

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Tight and Loose Pulleys of counter,.....	14x5 inches
Machine Cone,.....	3-step for 4-inch belt
Speed of Counter,.....	200
Weight,.....	1600 pounds
Export shipping weight.....	1900 pounds
Cubic measurement.....	40 feet

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No. 12 Machine, with counter, three sets of chasers for 2½-inch to 8-inch pipe, inclusive, R. H., with oil pump and rear rest....	\$ 900 00
Extra Pipe Chasers, R. or L., 6 per set.....	8 00
Extra Casing Chasers, 6 per set.....	10 00
Countershaft for cutting left-hand threads.....	15 00

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Tight and Loose Pulleys of counter,.....	14x6 inches
Machine Cone,.....	3-step for 5-inch belt
Speed of Counter,.....	200
Weight,.....	2450 pounds
Export shipping weight.....	2900 pounds
Cubic measurement.....	60 feet

In ordering Chasers give LETTER as well as size wanted.  
Lubricate the Chasers with lard oil.





